10/535443 JC06 Rec'd PCT/PTO 19 MAY 2005

EX03-098C-US patentin.txt SEQUENCE LISTING

<110>	EXELIXIS, INC.						
<120>	FLJ10607 AS MOD	DIFIER OF TH	HE AXIN PATH	IWAY AND MET	THODS OF USE		
<130>	EX03-098C - US						
<150> <151>	us 60/436,965 2002-12-30						
<160>	5						
<170>	PatentIn versio	on 3.2					
<210> <211> <212> <213>	1 3966 DNA Homo sapiens						
<400> gggcgg	1 gtgg cgccttggcc	tccgcctccg	ctcgcctgcg	cgcggccctg	cgtgaggggg	60	
cagagg	cgag gtggaggcgt	tggcgctgcc	acgtctgggc	cgcggttccc	aactgtggcg	120	
cgggcg	gtgg aggaggaggt	ggggctggcg	ctgaagccgg	atccggatcc	ggtgctgtgc	180	
acactg	gtgg gggagagtcc	gacgcgcctg	gctaggagcg	ccgaccgcag	ggcctctacg	240	
gttcct	gtaa ccagcacagt	gcctgattca	tgaattaaag	accttactag	aaaaatgaaa	300	
cctgat	gaaa ctcctatgtt	tgacccaagt	ctactcaaag	aagtggactg	gagtcagaat	360	
acagct	acat tttctccagc	catttcccca	acacatcctg	gagaaggctt	ggttttgagg	420	
cctctt	tgta ctgctgactt	aaatagaggt	tttttaagg	tattgggtca	gctaacagag	480	
actgga	gttg tcagccctga	acaatttatg	aaatcttttg	agcatatgaa	gaaatctggg	540	
gattat	tatg ttacagttgt	agaagatgtg	actctaggac	agattgttgc	tacggcaact	600	
ctgatt	atag aacataaatt	catccattcc	tgtgctaaga	gaggaagagt	agaagatgtt	660	
gttgtt	agtg atgaatgcag	aggaaagcag	cttggcaaat	tgttattatc	aacccttact	720	
ttgcta	agca agaaactgaa	ctgttacaag	attacccttg	aatgtctacc	acaaaatgtt	780	
ggtttc	tata aaaagtttgg	atatactgta	tctgaagaaa	actacatgtg	tcggaggttt	840	
ctaaag	taaa aatcttgtaa	gaaaattgtc	aaaggggcta	atgctacaag	gctacactct	900	
tcctag	agtt gaaatatttt	gttgctgcag	ccgagtgacc	tccataaata	ctggactgaa	960	
aaaaca	ıttgt aatactacaa	gtataatgac	atttagaaga	ttactttggg	ctggtgggac	1020	
atgctg	jtgaa tttagattac	aaatgaatat	tataaagggg	atgattttta	accaaaggaa	1080	
tatatt	ttta acttgaatct	tttcttgcat	tgtattttc	taaaagtttg	gcttcctttc	1140	
ttggta	igtca agagtatggg	taataaggag	ttatatgtct	gctatctgtg	ttgctcattt	1200	
aaaaaa	agta tacattgaat	aaggctgttt	atcacatgca	taaaattaaa	tatttttgtt	1260	

1320 tcaaagaaac atctcaatac acttaggggt gtattgtttc ccacatatta agtcagggtg 1380 gataaattag ttattataac taaacatagt atagtccaac attcgttgat cccaatacag 1440 gcaaacaacc tggtcaacct tttgaagtag aagaaatgaa aattacttga caagattaaa 1500 aqtaaaacaa tttaaatgtt ttactgaaag tttatatagt atagtctatg tagataaaaa 1560 gtaccacttg tcttttctgt gaattatgac tattcatttg ttaaaaaatac ctaagagcaa 1620 ttatagtggg acatctaagg tcctctgtaa acagtgaatt agcaaacctc agcctatgtg 1680 tttctaccct gattttttc ttttcatggg tatctgaagc ctctaagttt tttcaaaaat 1740 ggagtatcac aaaattgagt gaaacacaat acttaatgta ttgtactaga ttgccaaatt 1800 cataaaatgt taatggaagc tttttgatgt gattataatg gcactattct ggtcattatc 1860 ctattttgat tttatttaat tttttaaagt tgaagaatta aatattttaa tggttctaat 1920 cttttgcatt ccatgttgca ttaaacctgt ttatatgagt agtcttctgt tagaatcaca 1980 tctgtgcttt tcttgagtct gctgttgaac tattagatta agtcataatt cataaaattt 2040 tagtttaatg tgctctttgt aaaatgaaat tgtaaagaaa ataccagtgt ttctcatccc attgactcac accacgtcat ctggattttg gatttccctc catgcagcca gctatagttg 2100 2160 gctttccaaa acaacagaaa tccttcacca atagagtgca ctacttacct gcttatagcc 2220 tatacagacg aactgatctg tccttcgtga aacgcaacaa agctagttct gtcttttcag 2280 aagtcctaca accttgacaa agagtagttt tatcaggtaa atcctggtaa ttaaaaacgc atgttttaa aaattagcct ggtaaggccg ggtgcagtgg ctcacgcctg taatcccagc 2340 2400 actttgggag gctgaggtgg gcagatcaca aggtcaggag tttgagacca gcctgaccaa 2460 aatggtgaaa ccctgtctct actaaaaaaa agaaaaatta gccagacgtg gtggcatgcg 2520 cctgtaatcc cagctactca ggaagctgag gcgagagaat cgcttgaacc cgggaggcaa 2580 aggttgcagt gagctgagat cacaccactg cactccagcc tggcgacaga gagagactcc 2640 atctcaaaac aaaacaaaaa aaattagcct acttaaaggc acaactaaat gctttattac 2700 ctttcttacc actgaacaat ttgaggtaaa atcattcaca aggttggcac ttcagtaaat 2760 ccctttaaat agtgttccta agatatctct taaatcctcc cataggaaat agaattacag 2820 gtaaggtaca ccatacaaaa attgtgtcat tgaggacaat ggtgatctgt aattttagtt 2880 qaqtatqttt atqatttttg aagccatatg gtgagtaaat gtaaatatga aaaaagtgct 2940 acataaaaca cttcttaaac tttttttttt taaaaactgc tccttgtgga gcaggactac 3000 cccataggca gtgtacccac aatagatagc cttttgttgt tgttgttgtt gagacaaggt 3060 ctcgctgttg cccaggctag agcgcagggg cacaatcacc acacactgcc gcttcaatct 3120 cctgggctca aatgatcctt ccacctcagc ctcccatgtg gctgggacta taggtgcatg 3180 ccaccacacc cagctaatta aaaaaatttt ttgtgtggag tctatgttgc ccaggctggt Page 2

cttaactc ct	aggctcaa	gtgatcctcc	cacctcagcc	tcccaaagtg	cttggatgac	3240
ggtgcgagc ca	ctgcacct	ggcccacatt	ttttaaagag	acactgtccc	actccatcac	3300
caggctgga gt	ccagtggt	gtgatcatag	ctcactgcat	cctccagttc	ctgggttcaa	3360
catccctc ct	gcctcagc	ctccccagta	gctggaacta	caggtgtgtg	ccatcacacc	3420
gctttaca tt	tttctgtg	gggtcttact	atattgccca	agccggtctc	aaactcctga	3480
ctcaagtga tc	ctctgcct	cagcctccag	agtatctggg	attacatatg	tcggctaccg	3540
gtctggccg tt	cacatctt	tggccactat	ttgcttgtga	aaaggtataa	tgaggtggta	3600
ttatcattt tt	actgtgtc	tcatgttttg	tatatttttg	tttcatcaac	taagatgcac	3660
gtaacatct ct	gaaatctg	gatatattat	caatggttta	tcatagtttt	gttagcaata	3720
actgtcttt ta	igtggtgcc	taaaataatg	gtatagttgt	gaggtgatct	tagatttgat	3780
aagcacagt at	gcaggtag	gcctaatggg	ggaagatggt	aatataaaag	caagaagtat	3840
ttttttttg ta	atgactga	aagctgttct	gtggatgacc	taccctttcc	tttaaacacg	3900
ttctctcac tt	ccaactcc	aaacttgctc	aactaatcct	taaaaataaa	cttgagctgg	3960
atttg						3966
211> 2205 212> DNA	apiens					
100 > 2						
400> 2 cgacgcgcc tg	·	cgccgaccgc	agggcctcta	cggaccttac	tagaaaaatg	60
	gctaggag					60 120
cgacgcgcc tg	ggctaggag actcctat	gtttgaccca	agtctactca	aagaagtgga	ctggagtcag	
cgacgcgcc tg aacctgatg aa	ggctaggag actcctat	gtttgaccca agccatttcc	agtctactca ccaacacatc	aagaagtgga ctggagaagg	ctggagtcag cttggttttg	120
cgacgcgcc tg aacctgatg aa atacagcta ca	ggctaggag nactcctat nttttctcc	gtttgaccca agccatttcc cttaaataga	agtctactca ccaacacatc ggtttttta	aagaagtgga ctggagaagg aggtattggg	ctggagtcag cttggttttg tcagctaaca	120 180
cgacgcgcc tg aacctgatg aa atacagcta ca ggcctcttt gt	ggctaggag nactcctat nttttctcc actgctga	gtttgaccca agccatttcc cttaaataga tgaacaattt	agtctactca ccaacacatc ggtttttta atgaaatctt	aagaagtgga ctggagaagg aggtattggg ttgagcatat	ctggagtcag cttggttttg tcagctaaca gaagaaatct	120 180 240
cgacgcgcc tg aacctgatg aa atacagcta ca ggcctcttt gt agactggag tt	gctaggag actcctat attttctcc actgctga gtcagccc	gtttgaccca agccatttcc cttaaataga tgaacaattt tgtagaagat	agtctactca ccaacacatc ggtttttta atgaaatctt gtgactctag	aagaagtgga ctggagaagg aggtattggg ttgagcatat gacagattgt	ctggagtcag cttggttttg tcagctaaca gaagaaatct tgctacggca	120 180 240 300
acctgatg aa atacagcta ca ggcctcttt gt agactggag tt ggggattatt at	ggctaggag actcctat attttctcc actgctga agtcagccc agttacagt	gtttgaccca agccatttcc cttaaataga tgaacaattt tgtagaagat attcatccat	agtctactca ccaacacatc ggtttttta atgaaatctt gtgactctag tcctgtgcta	aagaagtgga ctggagaagg aggtattggg ttgagcatat gacagattgt agagaggaag	ctggagtcag cttggttttg tcagctaaca gaagaaatct tgctacggca agtagaagat	120 180 240 300 360
acctgatg aa atacagcta ca ggcctcttt gt agactggag tt gggattatt at	ggctaggag actcctat attttctcc actgctga agtcagccc agttacagt agaacataa agatgaatg	gtttgaccca agccatttcc cttaaataga tgaacaattt tgtagaagat attcatccat cagaggaaag	agtctactca ccaacacatc ggtttttta atgaaatctt gtgactctag tcctgtgcta cagcttggca	aagaagtgga ctggagaagg aggtattggg ttgagcatat gacagattgt agagaggaag aattgttatt	ctggagtcag cttggttttg tcagctaaca gaagaaatct tgctacggca agtagaagat atcaaccctt	120 180 240 300 360 420
acctgatg aa atacagcta ca ggcctcttt gt agactggag tt gggattatt at ctctgatta gt	ggctaggag actcctat attttctcc actgctga agtcagccc agttacagt agaacataa agatgaatg	gtttgaccca agccatttcc cttaaataga tgaacaattt tgtagaagat attcatccat cagaggaaag gaactgttac	agtctactca ccaacacatc ggtttttta atgaaatctt gtgactctag tcctgtgcta cagcttggca aagattaccc	aagaagtgga ctggagaagg aggtattggg ttgagcatat gacagattgt agagaggaag aattgttatt ttgaatgtct	ctggagtcag cttggttttg tcagctaaca gaagaaatct tgctacggca agtagaagat atcaaccctt	120 180 240 300 360 420 480
acctgatg aa atacagcta ca ggcctcttt gt agactggag tt gggattatt at ctctgatta gt ctttgttaa gc	ggctaggag actcctat attttctcc actgctga ggtcagccc gttacagt agaacataa gatgaatg aagaaact	gtttgaccca agccatttcc cttaaataga tgaacaattt tgtagaagat attcatccat cagaggaaag gaactgttac tggatatact	agtctactca ccaacacatc ggtttttta atgaaatctt gtgactctag tcctgtgcta cagcttggca aagattaccc gtatctgaag	aagaagtgga ctggagaagg aggtattggg ttgagcatat gacagattgt agagaggaag aattgttatt ttgaatgtct aaaactacat	ctggagtcag cttggttttg tcagctaaca gaagaaatct tgctacggca agtagaagat atcaaccctt accacaaaat gtgtcggagg	120 180 240 300 360 420 480 540
acctgatg aa atacagcta ca ggcctcttt gt agactggag tt gggattatt at ctctgatta gt ctttgctaa gctttggttta gt	ggctaggag nactcctat nttttctcc actgctga ggtcagccc ggttacagt ngaacataa ggatgaatg aagaaact aaaaaagtt	gtttgaccca agccatttcc cttaaataga tgaacaattt tgtagaagat attcatccat cagaggaaag gaactgttac tggatatact taagaaaatt	agtctactca ccaacacatc ggtttttta atgaaatctt gtgactctag tcctgtgcta cagcttggca aagattaccc gtatctgaag gtcaaagggg	aagaagtgga ctggagaagg aggtattggg ttgagcatat gacagattgt agagaggaag aattgttatt ttgaatgtct aaaactacat ctaatgctac	ctggagtcag cttggttttg tcagctaaca gaagaaatct tgctacggca agtagaagat atcaaccctt accacaaaat gtgtcggagg aaggctacac	120 180 240 300 360 420 480 540 600
acctgatg aa atacagcta ca ggcctcttt gt agactggag tt ctctgatta ta ttgttgtta gt ctttgctaa gctttggttct at attctaaagt aa attctaaagt aa	ggctaggag actcctat attttctcc actgctga ggtcagccc ggttacagt agaacataa gatgaatg aagaaact aaaaaagtt aaaatcttg	gtttgaccca agccatttcc cttaaataga tgaacaattt tgtagaagat attcatccat cagaggaaag gaactgttac' tggatatact taagaaaatt tttgttgctg	agtctactca ccaacacatc ggtttttta atgaaatctt gtgactctag tcctgtgcta cagcttggca aagattaccc gtatctgaag gtcaaagggg cagccgagtg	aagaagtgga ctggagaagg aggtattggg ttgagcatat gacagattgt agagaggaag aattgttatt ttgaatgtct aaaactacat ctaatgctac acctccataa	ctggagtcag cttggttttg tcagctaaca gaagaaatct tgctacggca agtagaagat atcaaccctt accacaaaat gtgtcggagg aaggctacac atactggact	120 180 240 300 360 420 480 540 600
	caggctgga gt ccatccctc ct ggctttaca tt ctcaagtga tc gtctggccg tt ttatcattt tt gtaacatct ct actgtcttt ta aagcacagt at tttttttg ta ttctctcac tt attg 210> 2 211> 2205 212> DNA	caggctgga gtccagtggt ccatccctc ctgcctcagc ggctttaca tttttctgtg ctcaagtga tcctctgcct gtctggccg ttcacatctt ttatcattt ttactgtgtc gtaacatct ctgaaatctg actgtcttt tagtggtgcc aagcacagt atgcaggtag tttttttg taatgactga ttctctcac ttccaactcc atttg 210> 2 211> 2205 212> DNA	caggctgga gtccagtggt gtgatcatag ccatccctc ctgcctcagc ctccccagta ggctttaca ttttctgtg gggtcttact ctcaagtga tcctctgcct cagcctccag gtctggccg ttcacatctt tggccactat ttatcattt ttactgtgtc tcatgtttg gtaacatct ctgaaatctg gatatattat actgtcttt tagtggtgcc taaaataatg aagcacagt atgcaggtag gcctaatggg ttttttttg taatgactga aagctgttct ttctctcac ttccaactcc aaacttgctc atttg 210> 2 211> 2205 212> DNA	caggctgga gtccagtggt gtgatcatag ctcactgcat ccatccctc ctgcctcagc ctcccagta gctggaacta ggctttaca ttttctgtg gggtcttact atattgccca ctcaagtga tcctctgcct cagcctccag agtatctggg gtctggccg ttcacatctt tggccactat ttgcttgtga ttatcattt ttactgtgtc tcatgtttg tatattttg gtaacatct ctgaaatctg gatatattat caatggttta actgtcttt tagtggtgcc taaaataatg gtatagttgt aagcacagt atgcaggtag gcctaatggg ggaagatggt ttttttttg taatgactga aagctgttct gtggatgacc ttctctcac ttccaactcc aaacttgctc aactaatcct atttg	caggctgga gtccagtggt gtgatcatag ctcactgcat cctccagttc ccatccctc ctgcctcagc ctcccagta gctggaacta caggtgtgtg ggctttaca ttttctgtg gggtcttact atattgccca agccggtctc ctcaagtga tcctctgcct cagcctccag agtatctggg attacatatg gtctggccg ttcacatctt tggccactat ttgcttgtga aaaggtataa ttatcattt ttactgtgc tcatgtttg tatattttg tttcatcaac gtaacatct ctgaaatctg gatatattat caatggttta tcatagttt acctgtcttt tagtggtgcc taaaaataatg gtatagttgt gaggtgatct aagcacagt atgcaggtag gcctaatggg ggaagatggt aatataaaag ttttttttg taatgactga aagctgttct gtggatgacc taccctttcc ttctctcac ttccaactcc aaacttgctc aactaatcct taaaaataaa atttg 210> 2 211> 2205 212> DNA	210> 2 211> 2205 212> DNA

			•			
gaatatattt	ttaacttgaa	tcttttcttg	cattgtattt	ttctaaaagt	ttggcttcct	900
ttcttggtag	tcaagagtat	gggtaataag	gagttatatg	tctgctatct	gtgttgctca	960
tttaaaaaaa	gtatacattg	aataaggctg	tttatcacat	gcataaaatt	aaatatttt	1020
gtttcaaaga	aacatctcaa	tacacttagg	ggtgtattgt	ttcccacata	ttaagtcagg	1080
gtggataaat	tagttattat	aactaaacat	agtatagtcc	aacattcgtt	gatcccaata	1140
caggcaaaca	acctggtcaa	ccttttgaag	tagaagaaat	gaaaattact	tgacaagatt	1200
aaaagtaaaa	ctatttaaat	gttttactga	aagtttatat	agtatagtct	atgtagataa	1260
aaagtaccac	ttgtcttttc	tgtgaattat	gactattcat	ttgttaaaaa	tacctaagag	1320
caattatagt	gggacatcta	aggtcctctg	taaacagtga	attagcaaac	ctcagcctat	1380
gtgtttctac	cctgattttt	ttcttttcat	gggtatctga	agcctctaag	ttttttcaaa	1440
aatggagtat	cacaaaattg	agtgaaacac	aatacttaat	gtattgtact	agattgccaa	1500
attcataaaa	tgttaatgga	agctttttga	tgtgattata	atggcactat	tctggtcatt	1560
atcctatttt	gattttattt	aatttttaa	agttgaagaa	ttaaatattt	taatggttct	1620
aatcttttgc	attccatgtt	gcattaaacc	tgtttatatg	agtagtcttc	tgttagaatc	1680
acatctgtgc	ttttcttgag	tctgctgttg	aactattaga	ttaagtcata	attcataaaa	1740
ttttagttta	atgtgctctt	tgtaaaatga	aattgtaaag	aaaataccag	tgtttctcat	1800
cccattgact	cacaccacgt	catctggatt	ttggatttcc	ctccatgcag	ccagctatag	1860
ttggctttcc	aaaacaacag	aaatccttca	ccaatagagt	gcactactta	cctgcttata	1920
gcctatacag	acgaactgat	ctgtccttcg	tgaaacgcaa	caaagctagt	tctgtctttt	1980
cagaagtcct	acaaccttga	caaagagtag	ttttatcagg	taaatcctgg	taattaaaaa	2040
cgcatgtttt	taaaaattag	cctggtaagg	ccgggtgcag	tggctcacgc	ctgtaatccc	2100
agcactttgg	gaggctgagg	tgggcagatc	acaaggtcag	gagtttgaga	ccagcctgac	2160
caaaatggtg	aaaccctgtc	tctactaaaa	aaaaaaaaa	aaaaa		2205
<210> 3 <211> 220!	5					
<212> DNA	o sapiens					
-	5 Suprens					
<400> 3 ccgacgcgcc	tggctaggag	cgccgaccgc	agggcctcta	cggaccttac	tagaaaaatg	60
aaacctgatg	aaactcctat	gtttgaccca	agtctactca	aagaagtgga	ctggagtcag	120
aatacagcta	cattttctcc	agccatttcc	ccaacacatc	ctggagaagg	cttggttttg	180
aggcctcttt	gtactgctga	cttaaataga	ggtttttta	aggtattggg	tcagctaaca	240
gagactggag	ttgtcagccc	tgaacaattt	atgaaatctt Page	ttgagcatat 4	gaagaaatct	300

ggggattatt	atgttacagt	tgtagaagat	gtgactctag	gacagattgt	tgctacggca	360
actctgatta	tagaacataa	attcatccat	tcctgtgcta	agagaggaag	agtagaagat	420
gttgttgtta	gtgatgaatg	cagaggaaag	cagcttggca	aattgttatt	atcaaccctt	480
actttgctaa	gcaagaaact	gaactgttac	aagattaccc	ttgaatgtct	accacaaaat	540
gttggtttct	ataaaaagtt	tggatatact	gtatctgaag	aaaactacat	gtgtcggagg	600
tttctaaagt	aaaaatcttg	taagaaaatt	gtcaaagggg	ctaatgctac	aaggctacac	660
tcttcctaga	gttgaaatat	tttgttgctg	cagccgagtg	acctccataa	atactggact	720
gaaaaaacat	tgtaatacta	caagtataat	gacatttaga	agattacttt	gggctggtgg	780
gacatgctgt	gaatttagat	tacaaatgaa	tattataaag	gggatgattt	ttaaccaaag	840
gaatatattt	ttaacttgaa	tcttttcttg	cattgtattt	ttctaaaagt	ttggcttcct	900
ttcttggtag	tcaagagtat	gggtaataag	gagttatatg	tctgctatct	gtgttgctca	960
tttaaaaaaa	gtatacattg	aataaggctg	tttatcacat	gcataaaatt	aaatatttt	1020
gtttcaaaga	aacatctcaa	tacacttagg	ggtgtattgt	ttcccacata	ttaagtcagg	1080
gtggataaat	tagttattat	aactaaacat	agtatagtcc	aacattcgtt	gatcccaata	1140
caggcaaaca	acctggtcaa	ccttttgaag	tagaagaaat	gaaaattact	tgacaagatt	1200
aaaagtaaaa	ctatttaaat	gttttactga	aagtttatat	agtatagtct	atgtagataa	1260
aaagtaccac	ttgtcttttc	tgtgaattat	gactattcat	ttgttaaaaa	tacctaagag	1320
caattatagt	gggacatcta	aggtcctctg	taaacagtga	attagcaaac	ctcagcctat	1380
gtgtttctac	cctgattttt	ttcttttcat	gggtatctga	agcctctaag	ttttttcaaa	1440
aatggagtat	cacaaaattg	agtgaaacac	aatacttaat	gtattgtact	agattgccaa	1500
attcataaaa	tgttaatgga	agctttttga	tgtgattata	atggcactat	tctggtcatt	1560
atcctatttt	gattttattt	aatttttaa	agttgaagaa	ttaaatattt	taatggttct	1620
aatcttttgc	attccatgtt	gcattaaacc	tgtttatatg	agtagtcttc	tgttagaatc	1680
acatctgtgc	ttttcttgag	tctgctgttg	aactattaga	ttaagtcata	attcataaaa	1740
ttttagttta	atgtgctctt	tgtaaaatga	aattgtaaag	aaaataccag	tgtttctcat	1800
cccattgact	cacaccacgt	catctggatt	ttggatttcc	ctccatgcag	ccagctatag	1860
ttggctttcc	aaaacaacag	aaatccttca	ccaatagagt	gcactactta	cctgcttata	1920
gcctatacag	acgaactgat	ctgtccttcg	tgaaacgcaa	caaagctagt	tctgtctttt	1980
cagaagtcct	acaaccttga	caaagagtag	ttttatcagg	taaatcctgg	taattaaaaa	2040
cgcatgtttt	taaaaattag	cctggtaagg	ccgggtgcag	tggctcacgc	ctgtaatccc	2100
agcactttgg	gaggctgagg	tgggcagatc	acaaggtcag	gagtttgaga	ccagcctgac	2160

```
<210>
        184
```

<211> <212> PRT

Homo sapiens

<400>

Met Lys Pro Asp Glu Thr Pro Met Phe Asp Pro Ser Leu Leu Lys Glu
1 10 15

Val Asp Trp Ser Gln Asn Thr Ala Thr Phe Ser Pro Ala Ile Ser Pro 20 25 30

Thr His Pro Gly Glu Gly Leu Val Leu Arg Pro Leu Cys Thr Ala Asp 35 40 45

Leu Asn Arg Gly Phe Phe Lys Val Leu Gly Gln Leu Thr Glu Thr Gly 50 60

Val Val Ser Pro Glu Gln Phe Met Lys Ser Phe Glu His Met Lys Lys 65 70 75 80

Ser Gly Asp Tyr Tyr Val Thr Val Val Glu Asp Val Thr Leu Gly Gln 85 90 95

Ile Val Ala Thr Ala Thr Leu Ile Ile Glu His Lys Phe Ile His Ser 100 105 110

Cys Ala Lys Arg Gly Arg Val Glu Asp Val Val Ser Asp Glu Cys 115 120 125

Arg Gly Lys Gln Leu Gly Lys Leu Leu Ser Thr Leu Thr Leu Leu 130 140

Ser Lys Lys Leu Asn Cys Tyr Lys Ile Thr Leu Glu Cys Leu Pro Gln 145 150 150 155

Asn Val Gly Phe Tyr Lys Lys Phe Gly Tyr Thr Val Ser Glu Glu Asn 165 170 175

Tyr Met Cys Arg Arg Phe Leu Lys 180

Page 6

⁵ 184

<212> PRT Homo sapiens

<400> 5

Met Lys Pro Asp Glu Thr Pro Met Phe Asp Pro Ser Leu Leu Lys Glu 10 15Val Asp Trp Ser Gln Asn Thr Ala Thr Phe Ser Pro Ala Ile Ser Pro 20 25 30 Thr His Pro Gly Glu Gly Leu Val Leu Arg Pro Leu Cys Thr Ala Asp 40 45Leu Asn Arg Gly Phe Phe Lys Val Leu Gly Gln Leu Thr Glu Thr Gly 50 55 60 Val Val Ser Pro Glu Gln Phe Met Lys Ser Phe Glu His Met Lys Lys 65 70 75 80 Ser Gly Asp Tyr Tyr Val Thr Val Val Glu Asp Val Thr Leu Gly Gln 85 90 95 Ile Val Ala Thr Ala Thr Leu Ile Ile Glu His Lys Phe Ile His Ser 100 105 110Cys Ala Lys Arg Gly Arg Val Glu Asp Val Val Ser Asp Glu Cys 115 120 125 Arg Gly Lys Gln Leu Gly Lys Leu Leu Leu Ser Thr Leu Thr Leu Leu 130 140 Ser Lys Lys Leu Asn Cys Tyr Lys Ile Thr Leu Glu Cys Leu Pro Gln 145 150 155 160 Asn Val Gly Phe Tyr Lys Lys Phe Gly Tyr Thr Val Ser Glu Glu Asn 165 170 175 Tyr Met Cys Arg Arg Phe Leu Lys 180

Page 7